# REACHING HANDS – A WEB APPLICATION BASED FRAMEWORK

**Manoj V Bhagwath, Taskeen Zaidi, Rahul G Das, Kushal Raj, Mohammed Nerzil and Vivechan V**

Student, Associate Professor, Student, Student, Student and Student

Department of BCA,

School of Computer Science and IT

Jain (Deemed-to-be University)

**Abstract:** Non-Government Organizations (NGOs) handle various types of activities that benefit the large section of unprivileged people in society. The NGO works independently without receiving any financial aid from the government. In this paper, the authors have created a web-based application that registers various NGOs as well as helps the people to participate in various events hosted by different NGOs. The user can register and donate money and other things to the different NGOs of their choice. The objective of this application is to develop an effective system and to maintain a centralized database of all NGOs' and users' information.

**Keywords**: Non-Government Organization (NGO), PHP, XAMPP, HTML, CSS

## INTRODUCTION

The NGOs is playing a critical role in today's world because state or governmental agencies failing to fulfil peoples need and resolve their daily basis problems. The NGOs does not require any financial assistance from the government; many people running their own. These NGOs operate on rules and policies. When some issues aren't resolved or communicated to the government, NGOs play a critical role in relaying these issues, the participants here are individuals who desire to make the world a better place for everyone who is suffering.

Reaching Hands-Network for a cause provides users and various NGO to register themselves in this website. Different NGO and orphanages can be accessed in a single website. This website helps the people to participate in numerous events hosted by different NGO. If there is a surplus food, this website provides a feature where user can post the details about the surplus food and raise a request. Required NGO can accept this request, when the request is accepted the details of user and NGO are exchanged between them. The user can donate money and various other things to different NGO of their choice. The user and NGO both can have a record of surplus food and donations that happened between them.

The objective is to develop a web based system which can effectively manage data related to the various events that organised through NGO. The purpose of designing this system is to create a centralized database of all the NGO and user's connected to NGO's. The goal of this system is to manage various functions and processes necessary to access the data efficiently. This system provides a better user interface where everything is included under one webpage. As everything is included under one webpage, it make easy for the user to select from various event hosted by different NGO's and donate according to their interest. The aim of the system is to provide easy and friendly environment to the user.

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## RESEARCH METHODOLOGY

When the local host/Reaching hands server is open you can view the index page of our project.
In the top right corner of the index page there is sign up and login modules.
Basically there are three modules in our project, they are:
1. Admin
2. User

3. NGO

Admin module - The admin can add new user and NGO organization or delete existing user and NGO organization and review them.

User module - The user can sign up and login. Once the user has logged in, there will be a display of various events being hosted by various organizations. The user can view all the information related to the event and register to any of the events he is interested in and participate.

NGO module - Different NGO organizations can register to the website and add the events that are hosted by them. NGO will have the details of the number of people participating in their event and their details.

Admin can view all the information about users and NGO. In the user module he can view who are all logged in to the website with their email id, phone number and address. He can take action whether to accept them or not.

Admin can view all the NGOs that are logged in to the website with their information like:
- Ngo name
- About them
- Email id
- Phone no.
- Address
- Banner

Admin can take action whether to approve or disapprove them. He can view events hosted by different NGOs with the information like:
- Event id
- Event name
- Event category
- Event address
- Event details
- Event date
- Event time
- Organizer
- Banner

New users should first go to sign up page and register in the website by giving name, email id, password, mobile no, address. After signing up they can login to the website. In login page they should give mail id and password. Once logged in there are different action they can perform.

- Share food: He can share food/surplus food by selecting meal quantity.
- Food history: He can view to which NGO he has shared the food with.
- My events: He can view to which event he has registered with.
- Donate: he can select to which NGO he is donating to and he can select the donation type i.e. money or other things.
- Donation history: he can view the amount donated to NGOs.

New NGOs should first signup to the website by giving NGO name, NGO details, Email id, password, mobile number, address and upload the banner.
After signing up they can login to the website.
They can view,
Food / donation:
 1. They can view the users who are contributed to them.
 2. They can view accepted food history.
 3. They can view who are call donated to their site.
Events:
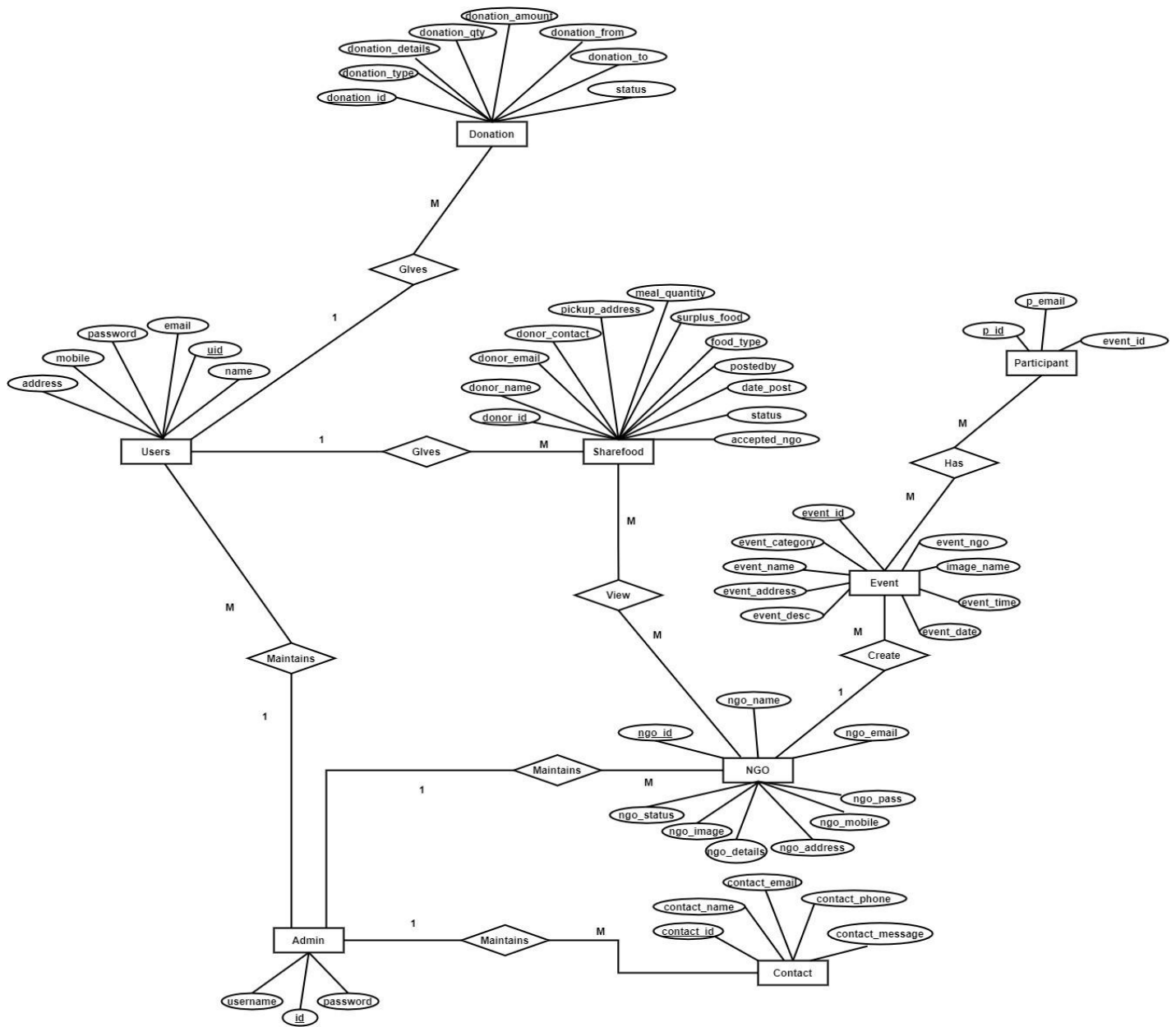1. They can create and host events.
2. They can view participants.

## BACKGROUND

A. Web Application: A Web application (Web app) is computer program which performs tasks over internet using web browser and web server.

B. PHP: Hypertext Preprocessor is a server-side scripting language which is used to create web site, it is open source, easy to learn, and it uses MySQL and provides efficiency.

C. JAVASCRIPT: It is an interpreted programming language. Designed for creating applications. It can be integrated with Java. It easy to implement, open and cross-platform.

D. MY SQL: MySQL is Relational database management system which is used for accessing and managing the data from relational database. It is open and free and supported by oracle and used by small and large applications processing. It is used by programmers to create, alter, modify and access data from database.

E. HTML: HTML is the language used to create web pages. It consists of elements and technologies like CSS and scripting language like JavaScript. The HTML documents can be viewed using web browser.

F. Cascading Style Sheets (CSS): is language used to style a HTML and XML document. The CSS is used to describe the elements and provides style to web pages to make it more presentable. The CSS is maintained by World Wide Web Consortium (W3C).CSS is used to represent the style of web documents in a simple way.

G. NOTEPAD++: Notepad++ is a free editor and a replacement of Notepad written in C++ and supports various languages. It run in the MS Windows environment, it is offered by GNU General Public License.

*H.* *XAMPP*: XAMPP is cross platform web server which helps developers and programmers to create and test application on local web server. It is developed by Apache friends and native source code can be modified by audience. It comprises of Apache HTTP Server, Maria DB and interpreter. It supports 11 languages and integrated with various platforms.

**ANALYSIS AND DESIGN**

ER DIAGRAM



**CONTEXT DIAGRAM**

## CONCLUSION

The government of India is implementing various rural development programs for upliftment of underprivileged peoples. The development is not just related to economic development but issues related to women and child development, right to education, quality of life are there. This is handled by NGO's at the broader level. in the work authors have designed website and different NGO and orphanages can be accessed in a single website. This website helps the people to participate in numerous events hosted by different NGO. If there is a surplus food, this website provides a feature where user can post the details about the surplus food and raise a request. Required NGO can accept this request, when the request is accepted the details of user and NGO is exchanged between them.

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